

US EPA ARCHIVE DOCUMENT

1/16/78

103.1.3 Fish

DATA REVIEW NUMBER: ES F2

TEST: Fish Acute 96 hour LC<sub>50</sub> (Warmwater)

SPECIES: Bluegill Sunfish (Lepomis macrochirus)

RESULTS: 24 hour LC<sub>50</sub> = 5.64 ppb (4.52-7.03 ppb) 95% C.L.

48 hour LC<sub>50</sub> = 3.36 (2.78-4.05 ppb) 95% C.L.

96 hour LC<sub>50</sub> = 2.52 (1.88-3.36 ppb) 95% C.L.

96 hour No. Effect Level is < 1.00 ppb - Analysis by Spearman Karber<sup>method</sup>. Below is analysis of data by Finney Probit by this section which gave comparable results for 96 hour LC<sub>50</sub>.  
Chi<sup>2</sup> (3df) = 7.81

3.543	M	2.487	LD50	1.059	LD10	5.608	LD90
3.629	YINT	1.822	LOCL	0.639	LOCL	3.553	LOCL
4.800	CHI <sup>2</sup>	3.261	UPCL	1.755	UPCL	8.850	UPCL

CHEMICAL: FMC 33297 Technical (95.7% A.I.)

TITLE: Acute Toxicity of FMC 33297 Act 29.11, .12 to Bluegill Sunfish (Lepomis macrochirus) Rafinesque and the Water Flea (Daphnia magna) Straus.

ACCESSION NO: 096699

STUDY DATE: June 21, 1976

RESEARCHER: Aquatic Environmental Sciences  
Union Carbide Corporation  
Tarrytown, New York

REGISTRANT: FMC Corporation

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: NA

VALIDATOR: Thomas O'Brien

1/16/78

Handwritten initials

96 hr LC50  
 Bluegill Sunfish  
 FMC 33287 Act 29, 11, 12  
 (% A.I. ?)

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Aquatic ENV Sciences  
 Union Carbide Corp  
 June 21, 1976

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O'Brien 1/16/78

10.  
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 10.

Chi 2 = 7.81  
 Finner Probit

3.543 M  
 3.629 YINT  
 1.915 LW M  
 4.800 CHI<sup>2</sup>

2.437 LD50  
 1.822 LDCL  
 3.261 UPCL

1.059 LD10  
 0.639 LDCL  
 1.755 UPCL

5.608 LD90  
 3.553 LDCL  
 8.850 UPCL